

CORRUGATED TUBE FITTING

Abstract of the Disclosure

A fitting for an end of a length of corrugated tubing has a split retainer that grips the tubing corrugations, and is engaged between a fitting body and a nut. Upon tightening the nut on the fitting body, the endmost corrugation is compressed between the retainer and a sealing seat on the fitting body arranged to provide a narrow metal-metal sealing junction and also a gasket seal. The fitting body has an inwardly tapered conical surface with a circular outer radius surrounded by an annular groove, thus forming a sealing edge, and the annular groove carries a gasket. The conical surface is dimensioned so that the sealing edge falls between the maximum and minimum diameters of the endmost corrugation. As the fitting is tightened, the endmost corrugation is collapsed between the sealing edge and the retainer, providing a metal/metal clamped sealing junction. The outer diameter part of the endmost corrugation is wrapped into a bead or torus that compresses the gasket, forming a metal/gasket additional seal.